

Name: _____

p1103: Expand Product of Linear Binomials (v3)

Question 1

Expand the product of linear binomials. $(x + 5)(x + 7)$

$$x^2 + 7x + 5x + 35$$

$$x^2 + 12x + 35$$

Question 2

Expand the product of linear binomials. $(x - 8)(x + 8)$

$$x^2 + 8x - 8x - 64$$

$$x^2 - 64$$

Question 3

Expand the product of linear binomials. $(x + 7)(x + 8)$

$$x^2 + 8x + 7x + 56$$

$$x^2 + 15x + 56$$

Question 4

Expand the product of linear binomials. $(-5x - 2)(-5x + 8)$

$$25x^2 - 40x + 10x - 16$$

$$25x^2 - 30x - 16$$

Question 5

Expand the product of linear binomials. $(8x + 6)(2x + 9)$

$$16x^2 + 72x + 12x + 54$$

$$16x^2 + 84x + 54$$

Question 6

Expand the product of linear binomials. $(x + 3)(x - 8)$

$$x^2 - 8x + 3x - 24$$

$$x^2 - 5x - 24$$

Question 7

Expand the product of linear binomials. $(7x + 3)(5x + 7)$

$$35x^2 + 49x + 15x + 21$$

$$35x^2 + 64x + 21$$

Question 8

Expand the product of linear binomials. $(x - 1)(x + 6)$

$$x^2 + 6x - x - 6$$

$$x^2 + 5x - 6$$

Question 9

Expand the product of linear binomials. $(-9x - 7)(-x + 9)$

$$9x^2 - 81x + 7x - 63$$

$$9x^2 - 74x - 63$$

Question 10

Expand the product of linear binomials. $(-6x + 8)(4x + 9)$

$$-24x^2 - 54x + 32x + 72$$

$$-24x^2 - 22x + 72$$